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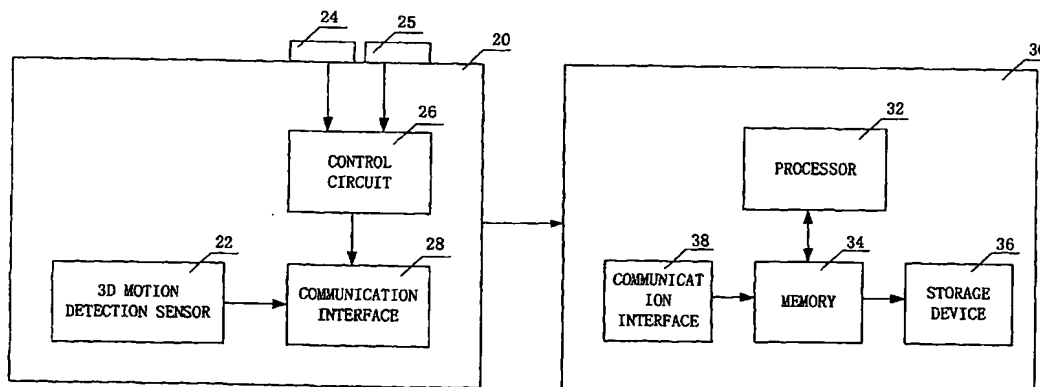
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(54) Title: CONTACTLESS INPUT DEVICE



(57) Abstract: The present invention provides an input device that gives users more flexibility and convenience by allowing them to move the input device in a three-dimensional (3D) space without requiring any flat surface. According to one embodiment of the invention, an input device is provided. The input device comprises a motion detection sensor that generates (3D) motion data associated with (3D) movement of the input device. The device wirelessly transmits the motion data to a computer to cause the computer to derive a distance and direction of the movement of the input device in a two-dimensional plane based on the motion data. The computer then moves a cursor to a corresponding position based on the distance and direction derived. The input device also generates control signals in response to a user's command to cause the computer to perform a corresponding cursor action, e.g., a double click operation.



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